**Key enquiry question:**

**What is the best site for an outdoor swimming pool on the BISH campus?**



**Aim of this study**: To plan and carry out a microclimate investigation to find a suitable site for the new BISH outdoor swimming pool.

**Why are we doing this?** To practice the skill of undertaking a fieldwork enquiry.

**How you will find out information:** By undertaking fieldwork around the school. The field work should include:

* A collection of weather data that might vary over a local area e.g. air temperature and wind speed.
* A measurement of the aspect of the 4 different sites
* A measurement of water temperature
* Field sketches, photographs
* Other possible techniques could include: questionnaires, EQS, interviews e.g. with the BISH architect (Mr. Schmidt) or Mr. Derry.

**Theory our research is based on:**

Microclimate - make sure you can define this term and that you know the relevant factors that influence microclimate.

**Writing up the results:**

**Introduction:**

* Explain what you are trying to find out in your study (aims)
* Locate the school – including a map.
* Provide an over-view of the typical weather characteristics of Houston (briefly)
* Define the term microclimate
* Explain the factors that affect microclimate (explain how these factors might influence the location of the swimming pool).

**Method:**

Describe how the sites were selected

Provide an annotated site map

Describe how you collected your information and explain why you did it in this way.

**Presentation of data:**

* Include a range of presentation methods e.g. graphs and tables, annotated maps, annotated field sketches and photos.

**Description and explanation of results:**

* Using the data collected, explain the pros and cons of each of the sites investigated. Make sure you refer to the specific data collected in your written account.

**Conclusions:**

Which site would you choose for the site of the swimming pool? Make sure to explain why you have come to this conclusion.

**Evaluation:**

* Discuss the strengths and weaknesses of the ways you collected your data.
* Suggest ways in which your study could be improved/taken further.

**You will be assessed on:**

* Environmental change
* Geographical enquiry
* Geographical skills
* Geographical communication

**How will I be marked?**

**Level 1-2**

* I can draw simple graphs to show results
* I can describe what the results of the survey showed

**Level 3-4**

* I can say what the aims of the project are
* I can draw graphs to show results
* I can describe the pattern that the results showed us and give simple reasons for them

**Level 5-6**

* I can produce a variety graphs to show results and can annotate sketches/photos to point out the main relevant features. Some of the techniques should be more sophisticated.
* I can describe and explain the patterns found and draw conclusions
* I can evaluate work to say how the data collection methods could be improved

**Level 7**

* I can identify how the study could be taken further
* I can analyze data and reach substantiated conclusions.